SW POLICY

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SOFTWARE CM POLICY

◆ GOAL

- To develop a navy wide system for recording and updating the software configuration of Fleet units along with hardware configuration.

◆ RATIONALE

- Software configurations must be not only accurately recorded, but widely accessible
- Several systems and processes are used today
- A common system is required for recording configuration

SOFTWARE POLICY

◆ Advantages

- Single source for software CM information
- Widely visible and readily accessible
- Will reduce the number of Data Call demands
- Improved accuracy
- Software/Hardware association
- Clear software policy
- Assist BGI by identifying platforms in need of focused resources ensuring the targeted platforms can deploy with her !

SOFTWARE POLICY

- ◆ Objectives
  - Establish, document, and maintain S/W configuration baselines
  - Identify afloat software to its application
  - Document revisions, patches, and other changes
  - Identify S/W configuration managers
- ◆ Implementation
  - Proposed process
  - Develop prototype
  - Execute prototype
  - Evaluate prototype
  - Refine and implement final process

SOFTWARE POLICY PROTOTYPE

- ◆ Objectives
  - ■ Ensure a workable process
  - ■ Refine required data elements
  - ■ Identify changes to CDMD-OA
  - ■ Identify resource requirements
  - ■ Metrics to measure effectiveness
    - ◆ 1. Is the software identification data accurate?
    - ◆ 2. How long does it take to initialize data.
    - ◆ 2. What changes to the established baseline occur? List type of change – s/w upgrades, and/or typos/corrections to data.
    - ◆ 3. TCD: How many emergent changes occur.
    - ◆ 4. How many records per system – Initial load, maintenance, and at the end?
    - ◆ 5. How many records/files are sent to SEA 53?
    - ◆ 6. Define one from the Fleets perspective…
  - ■ Measure effectiveness and resource utilization
  - ■ Execute process on a Battle Group

SOFTWARE POLICY PROTOTYPE PHASES

◆ Phase I – Generated Test Work files and transmission (completed)

◆ Phase II – AWS, CG 55 (in progress)

◆ Phase III – Execute Prototype

◆ Phase IV – Once completed; notification

SOFTWARE POLICY

◆ Ship/Hull (UIC)

◆ Designated Combat/C4I System

◆ Software version designation

- Add software records to existing hardware records
- Identify media on which software resides
- Identify hardware item on which software operates (NHA)
- Provide opportunity to record special characteristics or description of changes

SOFTWARE POLICY DATA VALIDATION

◆ Shipboard Audits

◆ Feedback from operating units

◆ Feedback from AMPS (SEA 53) and AMP (SEA 04) databases

◆ ISEA updates and comments

◆ CDM updates and comments

◆ Considering
  - C5RA Validations
  - ISEA/SSA Validations

SOFTWARE POLICY ROLES

- **SEA04L5/SPM/PARM**
  - Define S/W Configuration Management Process
  - Develop and implement prototype process
  - Submit SRS for required CDMD-OA changes
  - Develop and promulgate guidance for S/W CM process
  - Measure effectiveness
- **ISEAs/SSAs/SPM/PARM**
  - Define software configurations
  - Generate Work Files containing required S/W data
  - Measure effectiveness
- **CDMs/SPM/PARM**
  - Review and validate the Work Files
  - Upload the Work Files
  - Measure effectiveness